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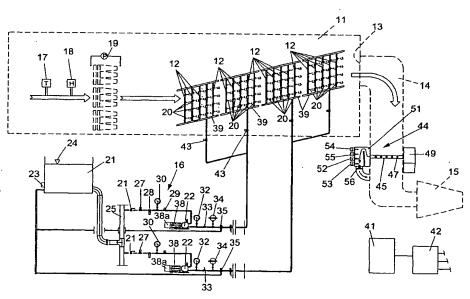
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(54) Title: WATER TREATMENT AND PRESSURIZATION SYSTEM FOR THE ADIABATIC COOLING OF COMBURENT AIR



(57) Abstract: A water treatment and pressurization system for the adiabatic cooling of comburent air destined for plants using gas turbines (15), run by measuring, control and regulation units, comprising a lifting and pressurizing station (16) of vaporization water at a varying flow-rate for a maximum operating pressure, preferably up to 120 bar, associated with a series of nozzles (20) situated on nozzle-holder ramps (12) downstream of which there is at least one housing unit (44) for humidity and temperature probes (52-55). The lifting station (16) comprises at least two pumps (22) with relative auxiliaries devices connected to nozzle-holder collectors (39).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.